TECP 265: Automated Marking of JEDMICS Images in the US Navy

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Requirements

- ## SECNAVINST 5510.36 states:
  – **All newly generated DoD unclassified technical documents shall bear one of the distribution statements described in Exhibit 8A…Existing technical documents do not have to be reviewed for the sole purpose of assigning distribution statements but, when they are removed from files…they must be marked accordingly.**

- ## SECNAVINST 5239.2 states:
  – **Permanent human-readable output shall be marked to accurately reflect the sensitivity of the information. The marking may be automated or may be done manually.**

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Requirements
CNO/NAVSEA REQ. to MARK EACH PAGE

-----Original Message-----
From: Isoda, James R CIV SEA 10
Sent: Monday, May 23, 2005 12:30
To: Callan, Thomas J CIV SEA 10
Cc: Cecchetti, George R CIV SEA 04; Weaver, Ronald S CIV SEA 10; Roe, Robin G CIV SEA 10
Subject: RE: Marking Drawings

All,

Since the SECNAVINST 5510.36, Exhibit 8A, states: "The distribution statement shall be displayed conspicuously so it is readily recognized by recipients. For standard written or printed material, the distribution statement shall appear on the face of the document, title page, and DD 1473, Report Documentation Page... If the technical information is not in standard written or printed form and does not have a cover or title page, the distribution statement shall be conspicuously stamped, printed, or written by other means."

My interpretation: this would support the continuation of marking each image/sheet. I understand that this may be a tedious process but the last thing we want to hear as an excuse for a violation is that "they didn't know". The least we can do is clearly mark the information to be protected to the best of our ability.

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Requirements
CNO/NAVSEA REQ. to MARK EACH PAGE

-----Original Message-----
From: Enfinger, Neala [mailto:NEnfinge@NCIS.NAVY.MIL]
Sent: Tuesday, May 24, 2005 14:34
To: Isoda, James R CIV SEA 10
Subject: RE: Marking Drawings

Jim,

I concur with your assessment--there may be no easier way to mark this stuff. I would agree to marking only the first page were I comfortable that the complete data packages would stay together. It is particularly important that the vendor users of the data packages and drawings understand the distribution limitations, to include export controls. **The markings should be on each page UNLESS we can somehow be assured that the packages will always remain intact.**

VR,

Neala

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Objectives

- Compliance:
  - SECNAVINST 5510.36
  - SECNAVINST 5239.2
  - NAVSEAINST 5511.32C (NOTAL)

- Mark EVERY image of EVERY drawing with the appropriate distribution and handling statements
- Make the process automated so that no human intervention is needed to (re)mark new or legacy data
- Restrict users from seeing unmarked images
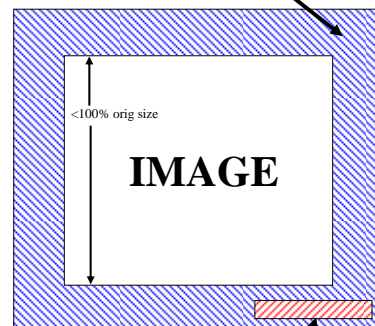- Control marking using metadata

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Where Will Markings Go?

- Short Edge for A Size
- Long Edge for B+ Sizes
- Outside Drawing Border
- White Space will be added to make room at edge
  - Cannot place marking inside border with automated processes
- The resultant image will be shrunk back to fit the original standard paper size*

Added White Space

<100% orig size

IMAGE

Applied Markings

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Determining DS Wording (cont)

- Markings will be derived from the following JEDMICS INDEX data fields
    - Distribution Statement
    - Export Control
    - Nuclear
    - NOFORN
    - Rights
    - Source Site
    - QA Status

- **It is imperative that data be indexed correctly for automated marking to work**
    - Improperly indexed data will not be marked correctly
    - Scripts/Reports exist to determine which data is "out of scope" and why

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Determining Distribution Statement (DS) Wording

- DS contains 4 parts: Statement, Reason, Date, Source Site
- The DS field will need two characters "XX"
    - First Character: - Distribution Statement (A-F,X)
    - Second Character: Reason - defined by the second character in the DS field, (10 possibilities)
    - Date is omitted as it is included in the applied text elsewhere; date should be date of determination, not date of application which is unknown to JEDMICS.
    - Source Site - automatically picked up as the site providing the info. Standard source site convention provided in spec

Example
- Distribution Statement B; Distribution authorized to US Government agencies reason inserted from second character. Other requests for this document shall be referred to source site (automatically entered based on location)

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Determining DS Wording (cont)

- Will not mark invalid combination of metadata
  - **e.g. Cannot have a Distribution Statement A, Export Controlled Document**

- JEDMICS applied markings will have a statement so they supersede all other markings
  - **"These markings were applied by JEDMICS on *date* and supersede any other sensitivity markings on this document. Do not scale off this document; document not to any scale."**

- NOFORN is a special case that has NO Distribution Statement (per NAVSEA 08)
  - **On NSEDR, JEDMICS will never mark a drawing as NOFORN because NOFORN=Y and NUC=Y images are not permitted.**
  - **Legacy data that is incorrectly marked NOFORN will get a correct statement applied based on metadata**
  - **Data owner must verify that the metadata is correct**
  - **A document is out of scope if either NOFORN=N and NUCLEAR=Y OR NOFORN=Y and NUCLEAR=N occurs.**

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Marking Data (cont).

- Changes to metadata will be reflected on an newly marked copy
  - Marking is run automatically at set time intervals (right now, every five minutes)
  - Previously marked image will immediately be made unavailable since it is now incorrect
  - There may be a time where an image in not available to users because it has not been marked (yet)
- Changes to following fields cause a remarking:
  - Distribution Statement, Rights, Export Control, NOFORN, Nuclear, Source Site, Drawing Number, Cage, Doc Type, Sheet Number, Frame Number,
- Loading (and migrating) lots of data at one time will backup the marking queue, delaying marking changes until queue is emptied

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